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Notice of Allowability	Application No.	Applicant(s)	
	10/800,575	BURROUGHS ET AL.	
	Examiner	Art Unit	
	German Colón	2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/1/05.
2. ☒ The allowed claim(s) is/are 1,3-6,9-25,28-42,44-47 and 50-67.
3. ☒ The drawings filed on 05 October 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 09/913,380.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Response to Amendment

1. The Amendment, filed on April 01, 2005, has been entered and acknowledged by the Examiner.
2. Cancellation of claims 2 and 43 has been entered.

Terminal Disclaimer

3. The terminal disclaimer filed on April 01, 2005 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of US 6,765,350 has been reviewed and is accepted. The terminal disclaimer has been recorded.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Andrew M. Lawrence on June 16, 2005.

The application has been amended as follows:

IN THE CLAIMS:

In claim 44, delete "in claim 43" and replace with --in claim 42--.

Art Unit: 2879

In claim 45, delete "in claim 43" and replace with --in claim 42--.

In claim 46, delete "in claim 43" and replace with --in claim 42--.

In claim 47, delete "in claim 43" and replace with --in claim 42--.

In claim 50, delete "in claim 43" and replace with --in claim 42--.

In claim 51, delete "in claim 43" and replace with --in claim 42--.

In claim 52, delete "in claim 43" and replace with --in claim 42--.

In claim 53, delete "in claim 43" and replace with --in claim 42--.

In claim 54, delete "in claim 43" and replace with --in claim 42--.

In claim 55, delete "in claim 43" and replace with --in claim 42--.

In claim 56, delete "in claim 43" and replace with --in claim 42--.

In claim 57, delete "in claim 43" and replace with --in claim 42--.

In claim 58, delete "in claim 43" and replace with --in claim 42--.

In claim 59, delete "in claim 43" and replace with --in claim 42--.

In claim 60, delete "in claim 43" and replace with --in claim 42--.

In claim 61, delete "in claim 43" and replace with --in claim 42--.

Allowable Subject Matter

5. Claims 1, 3-6, 9-25, 28-42, 44-47 and 50-67 are allowed.

6. The following is an examiner's statement of reasons for allowance:

Regarding claims 1 and 42, the references of the Prior Art of Record fail to teach or suggest the combination of the limitations as set forth in the claims and specifically comprising the limitation of "the cathode including a first layer comprising a compound of a group 1 metal

Art Unit: 2879

or group 2 metal; a second layer comprising a material having a work function below 3.5 eV; and a third layer having a work function above 3.5 eV, the first layer being spaced from the active region by the second layer; and the third layer being spaced from the active region by the first and second layers”.

Regarding claims 3-6, 9-21, 44-47 and 50-61, the claims are allowable for their dependency status from claims 1 and 42.

Referring to claim 22, the references of the Prior Art of Record fail to teach or suggest the combination of the limitations as set forth in the claims and specifically comprising the limitation of “the cathode including a first layer comprising an organic complex of a group 1 metal, a group 2 metal or transition metal; a second layer comprising a material having a work function below 3.5 eV; and a third layer having a work function above 3.5 eV, the first layer being spaced from the active region by the second layer; and the third layer being spaced from the active region by the first and second layers”.

Referring to claims 23-25 and 28-41, the claims are allowable for their dependency status from claim 22.

In regards to claims 62 and 65, the references of the Prior Art of Record fail to teach or suggest the combination of the limitations as set forth in the claims and specifically comprising the limitation of “the cathode including a first layer comprising a compound of a group 1 metal, a group 2 metal or transition metal; a second layer comprising a material having a work function below 3.5 eV; and a third layer having a work function above 3.5 eV, the third layer being spaced from the active region by the first and second layers, wherein the compound is a metal halide or metal oxide”.

In regards to claims 63-64 and 66-67, the claims are allowable for their dependency status from claims 62 and 65.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

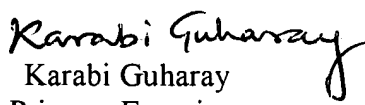
Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to German Colón whose telephone number is 571-272-2451. The examiner can normally be reached on Monday thru Thursday, from 8:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on 571-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


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